



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/655,345	09/04/2003	C. Steven McDaniel	RACT-00200	6570

7590 06/20/2005

C. Steven McDaniel
McDaniel & Associates, P.C.
P.O. Box 2244
Austin, TX 78767-2244

EXAMINER

SWOPE, SHERIDAN

ART UNIT	PAPER NUMBER
----------	--------------

1652

DATE MAILED: 06/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/655,345

Applicant(s)

MCDANIEL, C. STEVEN

Examiner

Sheridan L. Swope

Art Unit

1652

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-321 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-321 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

10

Art Unit: 1652

DETAILED ACTION

Claims 1-321 are pending.

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-256 and , drawn to a coating comprising a proteinaceous molecule, classified in class 106, subclass 15.05.
- II. Claims 257-268, drawn to a method for detoxification using a phosphoric triester hydrolase, classified in class 588, subclass 317.

For each of Inventions I-II above, restriction to one of the following is also required under 35 USC 121 and 327. Therefore, election is required of one of Inventions I-II and, if Invention I is elected, one or more of Inventions (A)-(BBBBBBBBBBBBBBBBBBBBBBBBBBB), as indicated, and if Invention II is elected, one or more of Inventions (a)-(vv), as indicated.

If Invention I is elected, elect one of:

- (A.) Enzyme
- (B.) Antibody
- (C.) Receptor
- (D.) Transport protein
- (E.) Structural protein
- (F.) A specific combination of (A)-(E)
- (G.) Oxidoreductase
- (H.) Transferase
- (I.) Hydrolase

Art Unit: 1652

- (J.) Lyase
- (K.) Isomerase
- (L.) Ligase
- (M.) A specific combination of (G)-(L)
- (N.) Esterase
- (O.) Phosphoric triester hydrolase
- (P.) Aryldialkylphosphatase
- (Q.) Diisopropyl-fluorophosphatase (DFPase)
- (R.) A specific combination of (P)-(Q)
- (S.) Organophosphorus hydrolase
- (T.) Human paraoxonase
- (U.) Animal carboxylase
- (V.) A specific functional equivalent of (S)-(U)
- (W.) radiobacter P230 organophosphate hydrolase
- (X.) F. balustinum parathion hydrolase
- (Y.) P. diminuta phosphotriesterase
- (Z.) F. sp opd gene product
- (AA.) F. sp parathion hydrolase opd gene product
- (BB.) A specific functional equivalent of (W)-(AA)
- (CC.) A specific sequence analog as listed in Claim 33
- (DD.) An HPON1 gene product
- (EE.) A specific functional equivalent of (DD)-(EE)

Art Unit: 1652

- (FF.) A specific sequence analog as listed in Claim 39
- (GG.) An insect carboxylase
- (HH.) A specific functional equivalent of an insect carboxylase
- (II.) *P. interpunctella* carboxylase
- (JJ.) *C. putoria* carboxylase
- (KK.) *M. domestica* carboxylase
- (LL.) A specific functional equivalent of (GG)-(KK)
- (MM.) An organophosphorus acid anhydrolase
- (NN.) A squid-type DFPase
- (OO.) A Mazur-type DFPase
- (PP.) A specific function equivalent of (MM)-(OO)
- (QQ.) *Altermonas* organophosphorus acid anhydrolase
- (RR.) A prolidase
- (SS.) A specific function equivalent of (QQ)-(RR)
- (TT.) sp JD6.5 organophosphorus acid anhydrolase
- (UU.) *haloplanktis* organophosphorus acid anhydrolase
- (VV.) *undina* organophosphorus acid anhydrolase
- (WW.) A specific function equivalent of (TT)-(VV)
- (XX.) Human prolidase
- (YY.) *M. musculus* prolidase
- (ZZ.) *L. helveticus* prolidase
- (AAA.) *E. coli* prolidase

Art Unit: 1652

- (BBB.) E. coli aminopeptidase P
- (CCC.) A specific function equivalent of (XX)-(BBB)
- (DDD.) L. vulgaris DFPase
- (EEE.) L. pealei DFPase
- (FFF.) L. opalescens DFPase
- (GGG.) A specific function equivalent of (DDD)-(FFF)
- (HHH.) A specific L. vulgaris DFPase sequence analog listed in Claim 58
- (III.) A mouse liver DFPase
- (JJJ.) A hog kidney DFPase
- (KKK.) B. stearothermophilus OT DFPase
- (LLL.) E. coli DFPase
- (MMM.) A specific functional equivalent of (III)-(LLL)
- (NNN.) P. sp M6 mpd gene product
- (OOO.) X. sp. phosphoric trimester hydrolase
- (PPP.) Tetrahymena phosphoric trimester hydrolase
- (QQQ.) A specific functional equivalent of (NNN)-(PPP)

If Invention I is elected, also elect one of:

- (RRR.) Paint
- (SSS.) Clear coating
- (TTT.) Lacquer
- (UUU.) Varnish
- (VVV.) Shellac

Art Unit: 1652

(WWW.) Stain

(XXX.) Water repellant

(YYY.) Architectural coating

(ZZZ.) Industrial coating

(AAAA.) A specification coating

(BBBB.) Wood coating

(CCCC.) Masonry coating

(DDDD.) Artist's coating

(EEEE.) Automotive coating

(FFFF.) Can coating

(GGGG.) Sealant coating

(HHHH.) Marin coating

(III.) Pipeline coating

(JJJ.) Traffic marker coating

(KKKK.) Aircraft coating

(LLLL.) Nuclear power plant coating

(MMMM.) Latex

(NNNN.) Binder

(OOOO.) Thermoplastic binder

(PPPP.) Thermosetting binder

(QQQQ.) Oil-based binder

(RRRR.) Oil

Art Unit: 1652

(SSSS.) Alkyd
(TTTT.) Oleoresinous binder
(UUUU.) Fatty acid epoxide ester
(VVVV.) Polyester resin
(WWWW.) hydroxyl-terminated polyester
(XXXX.) carboxylic acid-terminated polyester
(YYYY.) urethane
(ZZZZ.) an amino resin
(AAAAA.) modified cellulose
(BBBBB.) cellulose ester
(CCCCC.) nitrocellulose
(DDDDD.) amino binder
(EEEE.) acrylic binder
(FFFFF.) urethane binder
(GGGGG.) polyamide
(HHHHH.) epoxide
(IIII.) alkyd resin
(JJJJ.) polyester binder
(KKKKK.) urethane binder
(LLLLL.) polyol
(MMMMM.) silicone
(NNNNN.) vinyl

Art Unit: 1652

(OOOOO.) phenolic

(PPPPP.) triacrylate

(QQQQQ.) phenolic resin

(RRRRR.) blown oil

(SSSSS.) amino resin

(TTTTT.) epoxy resin

(UUUUU.) polyamide polyvinyl resin

(VVVVV.) ketimine

(WWWWW.) aliphatic amine

(XXXXX.) cycloaliphatic epoxy binder

(YYYYY.) polyhydroxyether binder

(ZZZZZ.) polyurethane comprising an isocyanate

(AAAAAA.) polyvinyl binder

(BBBBBB.) rubber resin

(CCCCCC.) chlorinated rubber resin

(DDDDDD.) synthetic rubber resin

(EEEEEE.) bituminous resin

(FFFFFF.) bituminous binder

(GGGGGG.) polysulfide binder

(HHHHHH.) peroxide

(IIIII.) binder comprising an isocyanate

(JJJJJ.) silicone binder

Art Unit: 1652

(KKKKKK.) organic binder

(LLLLLL.) A specific combination of (RRR)-(KKKKKK)

If Invention I is elected, also elect one of:

(MMMMMM.) plasticizer

(NNNNNN.) liquid organic

(OOOOOO.) inorganic

(PPPPPP.) water

(QQQQQQ.) hydrocarbon

(RRRRRR.) oxygenated compound

(SSSSSS.) chlorinated hydrocarbon

(TTTTTT.) nitrated hydrocarbon

(UUUUUU.) miscellaneous organic liquid

(VVVVVV.) aliphatic hydrocarbon

(WWWWWW.) cycloaliphatic hydrocarbon

(XXXXXX.) terpene

(YYYYYY.) aromatic hydrocarbon

(ZZZZZZ.) petroleum ether

(AAAAAAA.) pentane

(BBBBBBB.) hexane

(CCCCCCC.) heptane

(DDDDDDD.) isododecane

(EEEEEEE.) kerosene

Art Unit: 1652

(FFFFFFF.) mineral spirit

(GGGGGGG.) VMP naphthas

(HHHHHHH.) Cycloaliphatic hydrocarbon

(IIIIII.) Cyclohexane

(JJJJJJ.) Methylcyclohexane

(KKKKKKK.) Ethylcyclohexane

(LLLLLLL.) Tetrahydronaphthalene

(MMMMMMM.) Dehydronaphthalene

(NNNNNNN.) Wood terpene oil

(OOOOOOO.) Pine oil

(PPPPPPP.) α -pinene

(QQQQQQQ.) β -pinene

(RRRRRRR.) D-limonene

(SSSSSSS.) Aromatic hydrocarbon

(TTTTTTT.) Benzene

(UUUUUUU.) Toluene

(VVVVVVV.) Ethylbenzene

(WWWWWWW.) Xylene

(XXXXXXXX.) Cumene

(YYYYYYY.) type I high flash aromatic naphthas

(ZZZZZZZ.) type II high flash aromatic naphthas

(AAAAAAA.) mesitylene

Art Unit: 1652

(BBBBBBBBB.) pseudocumene
(CCCCCCCCC.) cymol
(DDDDDDDDD.) styrene
(EEEEEEEEEE.) oxygenated compound
(FFFFFFFFF.) alcohol
(GGGGGGGGG.) ester
(HHHHHHHHH.) glycol ether
(IIIIIIII.) ketone
(JJJJJJJJ.) ether
(KKKKKKKKK.) methanol
(LLLLLLLLL.) ethanol
(MMMMMMMMM.) propanol
(NNNNNNNNN.) isopropanol
(OOOOOOOOO.) 1-butanol
(PPPPPPPPP.) isobutanol
(QQQQQQQQQ.) 2-butanol
(RRRRRRRRR.) tert-butanol
(SSSSSSSSS.) amyl alcohol
(TTTTTTTTT.) isoamy alcohol
(UUUUUUUUU.) hexanol
(VVVVVVVVV.) methyisobutycarbinol
(WWWWWWWWW.) 2-ethybutanol

Art Unit: 1652

(XXXXXXXXXX.) isooctyl alcohol
(YYYYYYYYYY.) 2-ethylhexanol
(ZZZZZZZZZ.) isodecanol
(AAAAAAAAAA.) cyclohexanol
(BBBBBBBBBB.) methycyclohexanol
(CCCCCCCCC.) trimethylcyclohexanol
(DDDDDDDDD.) benzyl alcohol
(EEEEEEEEEE.) methybenzyl alcohol
(FFFFFFFFF.) furfuryl alcohol
(GGGGGGGGG.) tetrahydrofurfuryl alcohol
(HHHHHHHHH.) diacetone alcohol
(IIIIIIII.) trimethylcyclohexanol
(JJJJJJJJ.) ester
(KKKKKKKKK.) methyl formate
(LLLLLLLLL.) ethyl formate isobutyl formate
(MMMMMMMMM.) methyl acetate
(NNNNNNNNN.) ethyl acetate
(OOOOOOOOO.) propyl acetate
(PPPPPPPPP.) isopropyl acetate
(QQQQQQQQQ.) butyl acetate
(RRRRRRRRR.) isobutyl acetate
(SSSSSSSSS.) sec-butyl acetate

Art Unit: 1652

(TTTTTTTTTT.) amyl acetate
(UUUUUUUUU.) isoamyl acetate
(VVVVVVVVVV.) hexyl acetate
(WWWWWWWWW.) cyclohexyl acetate
(XXXXXXXXXX.) benzyl acetate
(YYYYYYYYYY.) methyl glycol acetate
(ZZZZZZZZZ.) ethyl glycol acetate
(AAAAAAAAAA.) butyl glycol acetate
(BBBBBBBBBB.) ethyl diglycol acetate
(CCCCCCCCCC.) butyl diglycol acetate
(DDDDDDDDDD.) 1-methoxypropyl acetate
(EEEEEEEEEE.) ethoxypropyl acetate
(FFFFFFFFFF.) 3-methoxybutyl acetate
(GGGGGGGGGG.) ethyl 3-ethoxypropionate
(HHHHHHHHHH.) isobutyl isobutyrate
(IIIIIIII.) ethyl lactate
(JJJJJJJJ.) butyl lactate
(KKKKKKKKKK.) butyl glycolate
(LLLLLLLLLL.) dimethyl adipate
(MMMMMMMMMM.) glutarate
(NNNNNNNNNN.) succinate
(OOOOOOOOOO.) ethylene carbonate

Art Unit: 1652

(PPPPPPPPPP.) propylene carbonate
(QQQQQQQQQQ.) butyrolactone
(RRRRRRRRRR.) glycol ether
(SSSSSSSSSS.) methyl glycol
(TTTTTTTTTTT.) ethyl glycol
(UUUUUUUUUU.) propyl glycol
(VVVVVVVVVVV.) isopropyl glycol
(WWWWWWWWWW.) butyl glycol
(XXXXXXXXXXXX.) methyl diglycol
(YYYYYYYYYYY.) ethyl diglycol
(ZZZZZZZZZZ.) butyl diglycol
(AAAAAAAAAAAA.) ethyl triglycol
(BBBBBBBBBBBB.) butyl triglycol
(CCCCCCCCCCCC.) diethylene glycol
(DDDDDDDDDDDD.) dimethyl ether
(EEEEEEEEEEEE.) methoxypropanol
(FFFFFFFFFFFF.) isobutoxypropanol
(GGGGGGGGGGG.) isobutyl glycol
(HHHHHHHHHHH.) propylene glycol
(IIIIIIIII.) monothyl ether
(JJJJJJJJJJ.) 1-isopropoxy-2-propanol
(KKKKKKKKKKK.) propylene glycol mono-n-propyl ether

Art Unit: 1652

(LLLLLLLLLLLLL.) propylene glycol n-butyl ether
(MMMMMMMMMMMMM.) methyl dipropylene glyucyl
(NNNNNNNNNNNNN.) methoxybutanol
(OOOOOOOOOOOOO.) ketone
(PPPPPPPPPPP.) acetone
(QQQQQQQQQQQQQ.) methyl ethyl ketone
(RRRRRRRRRRRRR.) methyl propyl ketone
(SSSSSSSSSSSSS.) methyl isopropyl ketone
(TTTTTTTTTTTTT.) methyl butyl ketone
(UUUUUUUUUUUUU.) methyl isobutyl ketone
(VVVVVVVVVVVVV.) methyl amyl ketone
(WWWWWWWWWWW.) methyl isoamyl ketone
(XXXXXXXXXXXXX.) diethyl ketone
(YYYYYYYYYYYYY.) ethyl amyl ketone
(ZZZZZZZZZZZZZ.) diproyl ketone
(AAAAAAAAAAAAA.) diisopropyl ketone
(BBBBBBBBBBBBBBB.) cyclohexanone
(CCCCCCCCCCCCC.) methylcylcohexanone
(DDDDDDDDDDDDD.) trimethycyclohexanone
(EEEEEEEEEEEEEE.) mesityl oxide
(FFFFFFFFFFFFFFF.) diisobutyl ketone
(GGGGGGGGGGGGG.) isophorone

Art Unit: 1652

(HHHHHHHHHHHH.) ether

(IIIIIIIIII.) diethyl ether

(JJJJJJJJJJ.) diisopropyl ether

(KKKKKKKKKKKK.) dibutyl ether

(LLLLLLLLLLLL.) di-sec-butyl ether

(MMMMMMMMMMMM.) methyl ter-butyl ether

(NNNNNNNNNNNN.) tetrahydrofuran

(OOOOOOOOOOOO.) 1,4-dioxane

(PPPPPPPPPPPP.) metadioxane

(QQQQQQQQQQQQ.) chlorinated hydrocarbon

(RRRRRRRRRRRR.) methylene chloride

(SSSSSSSSSSSS.) trichloromethane

(TTTTTTTTTTTT.) tetrachloromethane

(UUUUUUUUUUUU.) ethyl chloride

(VVVVVVVVVVVV.) isopropyl chloride

(WWWWWWWWWWWW.) 1,2-dichloroethane

(XXXXXXXXXXXXXX.) 1,1,1-trichloroethane

(YYYYYYYYYYYYYY.) trichloroethylene

(ZZZZZZZZZZZZ.) 1,1,2,2-tetrachloroethane

(AAAAAAAAAAAAAA.) 1,2-dichloroethylene

(BBBBBBBBBBBBBB.) perchloroethylene

(CCCCCCCCCCCCCC.) 1,2-dichloropropane

Art Unit: 1652

(DDDDDDDDDDDDDDDD.) chlorbenzene

(EEEEEEEEEEEEEE.) nitrated hydrocarbon

(FFFFFFFFFFFFFFF.) nitroparaggin

(GGGGGGGGGGGGGGG.) N-methyl-2-pyrrolidone

(HHHHHHHHHHHHHHH.) Carbon dioxide

(IIIIIIIIIIII.) Acetic acid

(JJJJJJJJJJJJ.) Methylal

(KKKKKKKKKKKKKKK.) Dimethylacetal

(LLLLLLLLLLLLLLL.) N,N-dimethylformamide

(MMMMMMMMMMMMMMM.) N,N-dimethylacetamide

(NNNNNNNNNNNNNNN.) Dimethylsulfoxide

(OOOOOOOOOOOOOOO.) Tetramethylene sulfone

(PPPPPPPPPPPPP.) Carbon disulfide

(QQQQQQQQQQQQQQQ.) 2-nitropropane

(RRRRRRRRRRRRRRR.) N-methylpyrrolidone

(SSSSSSSSSSSSS.) Hexamethylphosphoric triamide

(TTTTTTTTTTTTTTT.) 1,3-dimethyl-2-imidazolidinone

(UUUUUUUUUUUUUUU.) plasticizer

(VVVVVVVVVVVVVVV.) adipate

(WWWWWWWWWWWWW.) azelate

(XXXXXXXXXXXXXXXXX.) citrate

(YYYYYYYYYYYYYYY.) chlorinated plasticizer

Art Unit: 1652

(ZZZZZZZZZZZZZZ.) epoxide

(AAAAAAAAAAAAAAAA.) phosphate

(BBBBBBBBBBBBBBBB.) sebacate

(CCCCCCCCCCCCCCCC.) phthalate

(DDDDDDDDDDDDDDDD.) polyester

(EEEEEEEEEEEEEEEE.) trimellitate

(FFFFFFFFFFFFFFFF.) inorganic compound

(GGGGGGGGGGGGGGGG.) ammonia

(HHHHHHHHHHHHHHHH.) hydrogen cyanide

(IIIIIIIIIIIIIIIIII.) hydrogen fluoride

(JJJJJJJJJJJJJJJJ.) hydrogen cyanide

(KKKKKKKKKKKKKKKK.) sulfur dioxide

(LLLLLLLLLLLLLLLL.) tert-butanol

(MMMMMMMMMMMMMMMM.) ethylene glycol

(NNNNNNNNNNNNNNNN.) methyl glycol

(OOOOOOOOOOOOOOOO.) ethyl glycol

(PPPPPPPPPPPPPPPP.) propyl glycol

(QQQQQQQQQQQQQQQQ.) butyl glycol

(RRRRRRRRRRRRRRRR.) ethyl diglycol

(SSSSSSSSSSSSSSSS.) methoxypropanol

(TTTTTTTTTTTTTTTT.) methyldipropylene glycol

(UUUUUUUUUUUUUUUU.) dioxane

Art Unit: 1652

(VVVVVVVVVVVVVVVV.) tetrahydrofuran
(WWWWWWWWWWWWWWW.) acetone
(XXXXXXXXXXXXXXXXXX.) diacetone alcohol
(YYYYYYYYYYYYYYYYY.) dimethylformamide
(ZZZZZZZZZZZZZZZ.) dimethyl sulfoxide
(AAAAAAAAAAAAAAAAA.) ethylbenzene
(BBBBBBBBBBBBBBBBB.) tetrachloroethylene
(CCCCCCCCCCCCCCCC.) p-xylene
(DDDDDDDDDDDDDDDD.) toluene
(EEEEEEEEEEEEEEEE.) diisobutyl ketone
(FFFFFFFFFFFFFFFFF.) trichloroethylene
(GGGGGGGGGGGGGGGG.) trimethylcyclohexanol
(HHHHHHHHHHHHHHHH.) cyclohexyl acetate
(IIIIIIIIIIIIIIII.) dibutyl ether
(JJJJJJJJJJJJJJJ.) trimethylcyclohexanone
(KKKKKKKKKKKKKKKK.) 1,1 trichloroethane
(LLLLLLLLLLLLLLLLL.) hexane
(MMMMMMMMMMMMMMMMM.) hexanol
(NNNNNNNNNNNNNNNN.) isobutyl acetate
(OOOOOOOOOOOOOOOO.) butyl acetate
(PPPPPPPPPPPPPPP.) isophorone
(QQQQQQQQQQQQQQQQ.) nitropropane

Art Unit: 1652

(RRRRRRRRRRRRRRRRR.) butyl glycol acetate

(SSSSSSSSSSSSSSSS.) z-nitropropane

(TTTTTTTTTTTTTTTTT.) methylene chloride

(UUUUUUUUUUUUUUUU.) methyl isobutyl ketone

(VVVVVVVVVVVVVVVVV.) cyclohexanone

(WWWWWWWWWWWWWWW.) isopropyl acetate

(XXXXXXXXXXXXXXXXXX.) methylbenzyl alcohol

(YYYYYYYYYYYYYYYYY.) cyclohexanol

(ZZZZZZZZZZZZZZZZ.) nitroethane

(AAAAAAAAAAAAAAAAAAA.) methyl fembutyl ether

(BBBBBBBBBBBBBBBBBB.) ethyl acetate

(CCCCCCCCCCCCCCCCC.) diethyl ether

(DDDDDDDDDDDDDDDDD.) butanol

(EEEEEEEEEEEEEEEEEE.) butyl glycolate

(FFFFFFFFFFFFFFFFFFF.) isobutanol

(GGGGGGGGGGGGGGGGG.) 2-butanol

(HHHHHHHHHHHHHHHHH.) propylene carbonate

(IIIIIIIIIIIIIIIIII.) ethyl glycol acetate

(JJJJJJJJJJJJJJJJJ.) methyl acetate

(KKKKKKKKKKKKKKKKK.) methyl ethyl ketone

(LLLLLLLLLLLLLLLLLLL.) comprises aluminum flake

(MMMMMMMMMMMMMMMMMMM.) aluminum triphosphate

Art Unit: 1652

(NNNNNNNNNNNNNNNNNN.) aluminum zinc phosphate
(OOOOOOOOOOOOOOOOOO.) ammonium chromate
(PPPPPPPPPPPPPPPPPP.) barium borosilicate
(QQQQQQQQQQQQQQQQQQ.) barium chromate
(RRRRRRRRRRRRRRRRRR.) barium metaborat
(SSSSSSSSSSSSSSSSSS.) basic calcium zinc molybdate
(TTTTTTTTTTTTTTTTTT.) basic carbonat
(UUUUUUUUUUUUUUUUUU.) white lead
(VVVVVVVVVVVVVVVVVV.) basic lead silicate
(WWWWWWWWWWWWWWWWWW.) basic lead silicochromate
(XXXXXXXXXXXXXXXXXXXX.) basic lead silicosulfate
(YYYYYYYYYYYYYYYYYY.) basic zinc molybdate
(ZZZZZZZZZZZZZZZZZZ.) basic zinc molybdate-phosphate
(AAAAAAAAAAAAAAAAAAAA.) basic zinc molybdenum phosphate
(BBBBBBBBBBBBBBBBBBB.) basic zinc phosphate hydrate
(CCCCCCCCCCCCCCCCCCC.) bronze flake
(DDDDDDDDDDDDDDDDDD.) calcium barium phosphosilicate
(EEEEEEEEEEEEEEEEEEE.) calcium borosilicate
(FFFFFFFFFFFFFFFFFFFF.) calcium chromate
(GGGGGGGGGGGGGGGGGG.) calcium plumbate
(HHHHHHHHHHHHHHHHHH.) calcium strontium phosphosilicate
(IIIIIIIIIIIIIIIIIIII.) calcium strontium zinc phosphosilicate

Art Unit: 1652

(JJJJJJJJJJJJJJJ.) dibasic lead phosphate

(KKKKKKKKKKKKKKKKKK.) lead chromosilicate

(LLLLLLLLLLLLLLLLLL.) lead cyanamide

(MMMMMMMMMMMMMMMMMM.) lead suboxide

(NNNNNNNNNNNNNNNNNN.) lead sulfate

(OOOOOOOOOOOOOOOOOO.) mica

(PPPPPPPPPPPPPPPPPP.) micaceous iron oxide

(QQQQQQQQQQQQQQQQQQ.) red lead

(RRRRRRRRRRRRRRRRRR.) steel flake

(SSSSSSSSSSSSSSSSSS.) strontium borosilicate

(TTTTTTTTTTTTTTTTTT.) strontium chromate

(UUUUUUUUUUUUUUUUUU.) tribasic lead phosphosilicate

(VVVVVVVVVVVVVVVVVV.) zinc borate

(WWWWWWWWWWWWWWWWWW.) zinc borosilicate

(XXXXXXXXXXXXXXXXXXXXX.) zinc chromate

(YYYYYYYYYYYYYYYYYYY.) zinc dust

(ZZZZZZZZZZZZZZZZZZ.) zinc hydroxy phosphate

(AAAAAAAAAAAAAAAAAAAAA.) zinc molybdate

(BBBBBBBBBBBBBBBBBBBB.) zinc oxide

(CCCCCCCCCCCCCCCCCCC.) zinc phosphate

(DDDDDDDDDDDDDDDDDDD.) zinc potassium chromate

(EEEEEEEEEEEEEEEEEEEE.) zinc silicophosphate hydrate

Art Unit: 1652

(FFFFFFFFFFFFFFFFFFFFF.) zinc tetraoxylchromate

(GGGGGGGGGGGGGGGGGGG.) anthraquinone black

(HHHHHHHHHHHHHHHHHHH.) chromium oxide green

(IIIIIIIIIIIIIIIIIIII.) black pigment

(JJJJJJJJJJJJJJJJJJ.) brown pigment

(KKKKKKKKKKKKKKKKKKK.) white pigment

(LLLLLLLLLLLLLLLLLLLLL.) pearlescent pigment

(MMMMMMMMMMMMMMMMMMMMM.) violet pigment

(NNNNNNNNNNNNNNNNNNN.) blue pigment

(OOOOOOOOOOOOOOOOOOO.) green pigment

(PPPPPPPPPPPPPPPPPPP.) yellow pigment

(QQQQQQQQQQQQQQQQQQQ.) orange pigment

(RRRRRRRRRRRRRRRRRRR.) red pigment

(SSSSSSSSSSSSSSSSSSS.) metallic pigment

(TTTTTTTTTTTTTTTTTTTTT.) aniline black

(UUUUUUUUUUUUUUUUUUU.) anthraquinone black

(VVVVVVVVVVVVVVVVVVV.) carbon black

(WWWWWWWWWWWWWWWWWWW.) copper carbonate

(XXXXXXXXXXXXXXXXXXXXX.) graphite

(YYYYYYYYYYYYYYYYYYYYY.) iron oxide

(ZZZZZZZZZZZZZZZZZZZ.) micaceous iron oxide

(AAAAAAAAAAAAAAAAAAAAA.) manganese dioxide

Art Unit: 1652

(BBBBBBBBBBBBBBBBBBBB.) azo condensation

(CCCCCCCCCCCCCCCCCCC.) benzimidazolone

(DDDDDDDDDDDDDDDDDDDD.) metal complex brown

(EEEEEEEEEEEEEEEEEEEE.) antimony oxide

(FFFFFFFFFFFFFFFFFFFFF.) basic lead carbonate

(GGGGGGGGGGGGGGGGGGG.) lithopone

(HHHHHHHHHHHHHHHHHHH.) titanium dioxide

(IIIIIIIIIIIIIIIIIIII.) white lead

(JJJJJJJJJJJJJJJJJJJ.) zinc oxide

(KKKKKKKKKKKKKKKKKKK.) zinc sulphide'

(LLLLLLLLLLLLLLLLLLLL.) titanium dioxide covered mica

(MMMMMMMMMMMMMMMMMMMM.) ferric oxide covered mica

(NNNNNNNNNNNNNNNNNNN.) bismuth oxychloride crystal

(OOOOOOOOOOOOOOOOOOO.) dioxanine violet

(PPPPPPPPPPPPPPPPPPP.) carbazol Blue

(QQQQQQQQQQQQQQQQQQQ.) carbazole Blue

(RRRRRRRRRRRRRRRRRRR.) cobalt blue

(SSSSSSSSSSSSSSSSSSS.) copper phthalocyanine'

(TTTTTTTTTTTTTTTTTTTT.) dioxanine Blue

(UUUUUUUUUUUUUUUUUUU.) indanthrone

(VVVVVVVVVVVVVVVVVVV.) phthalocyanin blue

(WWWWWWWWWWWWWWWWWWW.) Prussian blue

Art Unit: 1652

(XXXXXXXXXXXXXXXXXXXXX.) Ultramarine

(YYYYYYYYYYYYYYYYYYY.) chrome green

(ZZZZZZZZZZZZZZZZZZZ.) chromium oxide green

(AAAAAAAAAAAAAAAAAAAAA.) halogenated copper phthalocyanine

(BBBBBBBBBBBBBBBBBBB.) hydrated chromium oxide

(CCCCCCCCCCCCCCCCCCC.) phthalocyanine green

(DDDDDDDDDDDDDDDDDDD.) anthrapyrimidine

(EEEEEEEEEEEEEEEEEEEE.) arylamide yellow

(FFFFFFFFFFFFFFFFFFFFF.) barium chromate

(GGGGGGGGGGGGGGGGGGG.) benzimidazolone yellow

(HHHHHHHHHHHHHHHHHHH.) bismuth vanadate

(IIIIIIIIIIIIIIIIIIII.) cadmium sulfide yellow

(JJJJJJJJJJJJJJJJJJJ.) complex inorganic color pigment

(KKKKKKKKKKKKKKKKKKK.) diarylide yellow

(LLLLLLLLLLLLLLLLLLLLL.) disazo condensation

(MMMMMMMMMMMMMMMMMMM.) flavanthrone

(NNNNNNNNNNNNNNNNNNN.) isoindoline

(OOOOOOOOOOOOOOOOOOO.) isoindolinone

(PPPPPPPPPPPPPPPPPPP.) lead chromate

(QQQQQQQQQQQQQQQQQQQ.) nickel azo yellow

(RRRRRRRRRRRRRRRRRRR.) organic metal complex

(SSSSSSSSSSSSSSSSSSS.) quinophthalone

Art Unit: 1652

(TTTTTTTTTTTTTTTTTTTTTTT.) yellow iron oxide
(UUUUUUUUUUUUUUUUUUUU.) yellow oxide
(VVVVVVVVVVVVVVVVVVVVV.) zinc chromate
(WWWWWWWWWWWWWWWWWWWW.) perinone orange
(XXXXXXXXXXXXXXXXXXXXXXX.) pyrazolone orange
(YYYYYYYYYYYYYYYYYYYYYYY.) anthraquinone
(ZZZZZZZZZZZZZZZZZZZZZ.) benzimidazolone
(AAAAAAAAAAAAAAAAAAAAAAA.) BON arylamide
(BBBBBBBBBBBBBBBBBBBBBBB.) cadmium red
(CCCCCCCCCCCCCCCCCCCCCCC.) cadmium selenide
(DDDDDDDDDDDDDDDDDDDDDD.) chrome red
(EEEEEEEEEEEEEEEEEEEEEEE.) dibromanthrone
(FFFFFFFFFFFFFFFFFFFFFFF.) diketopyrrolo-pyrrole pigment
(GGGGGGGGGGGGGGGGGGGGG.) disazo condensation pigment
(HHHHHHHHHHHHHHHHHHHHH.) lead molybdate
(IIIIIIIIIIIIIIIIIIIIIIII.) perylene
(JJJJJJJJJJJJJJJJJJJJJ.) pyranthrone
(KKKKKKKKKKKKKKKKKKKKKK.) quinacridone
(LLLLLLLLLLLLLLLLLLLLLLL.) quinophthalone
(MMMMMMMMMMMMMMMMMMMMMMM.) red iron oxide
(NNNNNNNNNNNNNNNNNNNNNN.) red lead
(OOOOOOOOOOOOOOOOOOOOO.) toluidine red

Art Unit: 1652

(PPPPPPPPPPPPPPPPPPPPPP.) tonor pigment

(QQQQQQQQQQQQQQQQQQQQQQ.) β -naphthol red

(RRRRRRRRRRRRRRRRRRRRRR.) aluminum flake

(SSSSSSSSSSSSSSSSSSSSSS.) aluminum non-leafling

(TTTTTTTTTTTTTTTTTTTTTTT.) gold bronze flake

(UUUUUUUUUUUUUUUUUUUUUU.) zinc dust

(VVVVVVVVVVVVVVVVVVVVVV.) stainless steel flake

(WWWWWWWWWWWWWWWWWWWW.) nickel flake

(XXXXXXXXXXXXXXXXXXXXXXXXX.) nickel powder

(YYYYYYYYYYYYYYYYYYYYYYY.) barium sulphate

(ZZZZZZZZZZZZZZZZZZZZZZ.) calcium carbonate

(AAAAAAAAAAAAAAAAAAAAAAAAA.) kaolin

(BBBBBBBBBBBBBBBBBBBBBBB.) calcium sulphate

(CCCCCCCCCCCCCCCCCCCCCCC.) silicate

(DDDDDDDDDDDDDDDDDDDDDD.) silica

(EEEEEEEEEEEEEEEEEEEEEEE.) alumina trihydrate

(FFFFFFFFFFFFFFFFFFFFFFFFF.) an adhesion promoter

(GGGGGGGGGGGGGGGGGGGGGG.) an antifoamer

(HHHHHHHHHHHHHHHHHHHHH.) anti-insect additive

(IIIIIIIIIIIIIIIIIIIIII.) an antioxidant

(JJJJJJJJJJJJJJJJJJJJJ.) an antiskinning agent

(KKKKKKKKKKKKKKKKKKKKKK.) a buffer

Art Unit: 1652

(LLLLLLLLLLLLLLLLLLLLLLLLL.) a catalyst

(MMMMMMMMMMMMMMMMMMMMMMMMM.) a coalescing agent

(NNNNNNNNNNNNNNNNNNNNNNNNN.) a corrosion inhibitor

(OOOOOOOOOOOOOOOOOOOOOOO.) a defoamer

(PPPPPPPPPPPPPPPPPPPPPPPP.) a dehydrator

(QQQQQQQQQQQQQQQQQQQQQQQ.) a dispersant

(RRRRRRRRRRRRRRRRRRRRRRR.) a drier

(SSSSSSSSSSSSSSSSSSSSSSS.) electrical additive

(TTTTTTTTTTTTTTTTTTTTTTTTT.) an emulsifier

(UUUUUUUUUUUUUUUUUUUUUUU.) a filler

(VVVVVVVVVVVVVVVVVVVVVVVVV.) a flame/fire retardant

(WWWWWWWWWWWWWWWWWWWWWWW.) a flatting agent

(XXXXXXXXXXXXXXXXXXXXXXXXXX.) a flow control agent

(YYYYYYYYYYYYYYYYYYYYYYYYY.) a gloss aid

(ZZZZZZZZZZZZZZZZZZZZZZL.) a leveling agent

(AAAAAAAAAAAAAAAAAAAAAAAAA.) a marproofing agent

(BBBBBBBBBBBBBBBBBBBBBBBBB.) a preservative

(CCCCCCCCCCCCCCCCCCCCCCCCC.) a silicone additive

(DDDDDDDDDDDDDDDDDDDDDDDD.) a slip agent

(EEEEEEEEEEEEEEEEEEEEEEEE.) a surfactant

(FFFFFFFFFFFFFFFFFFFFFFFFF.) a light stabilizer

(GGGGGGGGGGGGGGGGGGGGGGG.) a rheological control agent

(JJJJJJJJJJJJJJJJJJJJ.) bactericide

(LLLLLLLLLLLLLLLLLLLLLLLL.) algaecide

(NNNNNNNNNNNNNNNNNNNNNNN.) degoamer

(PPPPPPPPPPPPPPPPPPPPPP.) viscosifier

(RRRRRRRRRRRRRRRRRRRRRRR.) a in-can corrosion inhibitor

(SSSSSSSSSSSSSSSSSSSSSSSSSSS.) a flash corrosion inhibitor

(TTTTTTTTTTTTTTTTTTTTTTT.) light stabilizer

(UUUUUUUUUUUUUUUUUUUUUUUUUUUUUU.) UV absorber

(VVVVVVVVVVVVVVVVVVVVVV.) Radical scavenger

(WWWWWWWWWWWWWWWWWWWWW.) pH indicator

(XXXXXXXXXXXXXXXXXXXXXXXXXXXXX.) A specific combination of

(MMMMMM)-(XXXXXXXXXXXXXXXXXXXXXXXXXXXXX).

If Invention I is elected, also elect one of:

(YYYYYYYYYYYYYYYYYYYYYYYYYYY.) Ambient conditions

(ZZZZZZZZZZZZZZZZZZZZZZZZZZZZZZ.) Baking

(AAAAAAAAAAAAAAAAAAAAAAAAA.) Crosslinking

Art Unit: 1652

(BBBBBBBBBBBBBBBBBBBBBBBBBB.)

Irradiation

If Invention II is elected, elect one of:

- (a) G-agent
- (b) V-agent
- (c) Soman
- (d) Sarin
- (e) Cyclosarin
- (f) Tabun
- (g) A specific combination of (a)-(f)
- (h) VX
- (i) Russian VX
- (j) A combination of (h)-(i)
- (k) Bromophos-ethyl
- (l) Chlorpyrifos
- (m) Chlorfenvinphos
- (n) Chlorothiophos
- (o) Chlorpyrifos-methyl
- (p) Coumaphos
- (q) Crotoxphos
- (r) Cruformate
- (s) Cyanaphos
- (t) Diazinon

Art Unit: 1652

- (u) Dichlofenthion
- (v) Dichlorvos
- (w) Dursban
- (x) EPN
- (y) Ethoprop
- (z) Ethyl-parathion
- (aa) Etrimifos
- (bb) Famphur
- (cc) Fensolfothion
- (dd) Fenthion
- (ee) Fenthrothion
- (ff) Isofenphos
- (gg) Jodfenphos
- (hh) Leptophos=oxon
- (ii) Malathion
- (jj) Methyl-prathion
- (kk) Mevinphos
- (ll) Paraoxon
- (mm) Parathion
- (nn) Parathion-methyl
- (oo) Pirimiphos-ethyl
- (pp) pirimiphos-methypyrazophos

(ss)sulfopros

(uu) trichloronate

(vv) a specific combination of (k)-(vv).

The method of Invention II is related to the product of Invention I(O) as a product and process of using. The inventions are distinct because the product can also be used for treatment of insecticide poisoning.

[illegible]

Art Unit: 1652

Inventions I(A)-(BBBBBBBBBBBBBBBBBBBBBBBBBB) are distinct because the products of Inventions I(A)-(BBBBBBBBBBBBBBBBBBBBBBBBBB) are physically and functionally distinct chemical entities.

Inventions II(a)-(vv) are independent because the methods of Inventions II(a)-(vv) comprise different steps, utilize different products and/or produce different results.

A search for more than one of Inventions I(A)-(BBBBBBBBBBBBBBBBBBBBBBBBBB) and II(a)-(vv) would be a burden on the Office for the following reasons.

Because the products of Inventions I(A)-(BBBBBBBBBBBBBBBBBBBBBBBBBB) are structurally and/or functionally distinct entities, a search for one said invention would not encompass a search for any other invention and searching all of Inventions I(A)-(BBBBBBBBBBBBBBBBBBBBBBBBBB), or a subset thereof would be a burden on the Office.

Because the methods of Inventions II(a)-(vv) comprise different steps, utilize different products, and/or produce different results, a search for one said invention would not encompass a search for any other invention and searching all of Inventions II(a)-(vv), or a subset thereof would be a burden on the Office.

A search for the product of Invention I(O) would not encompass a search for the methods of Inventions II, or vice versa, because said methods are not the only methods of making and/or using said product. Thus, a search of Invention I(O) with Invention II would be a burden on the Office.

A search for any one of the products of Inventions I(A)-(N) and (P)-(BBBBBBBBBBBBBBBBBBBBBBBBBB) would not overlap a search for any of the methods of Invention II, or vice versa, because said methods do not make or use said products. Thus, a search of any of

Art Unit: 1652

Inventions I(A)-(N) and (P)-(BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB) with Invention II would be a burden on the Office.

These inventions are distinct for the reasons given above and have acquired a separate status in the art due to their recognized divergent subject matter, as shown by their different classification. Furthermore, as explained above, searching more than one invention would be a burden on the Office. Therefore, restriction for examination purposes, as indicated, is proper.

Restriction between product and process claims has been required. Where Applicant elects claims directed to a product, and the product claim is subsequently found allowable, withdrawn process claims that depend from or otherwise include all the limitations of the allowable product claim will be rejoined in accordance with the Official Gazette notice dated March 26, 1996 (1184 O.G. 86; see also M.P.E.P. 821.04, *In re Ochiai*, and *In re Brouwer*). Process claims that depend from or otherwise include all the limitations of the patentable product will be entered as a matter of right, if the amendment is presented prior to final rejection or allowance, whichever is earlier. Withdrawn process claims that are not commensurate in scope with an allowed product claim will not be rejoined. To be allowable, the rejoined claims must meet all criteria for patentability including the requirements of 35 U.S.C. 101, 102, 103, and 112.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Art Unit: 1652

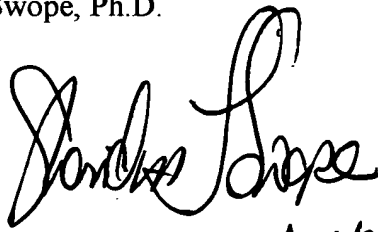
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sheridan L. Swope whose telephone number is 571-272-0943.

The examiner can normally be reached on M-F; 9:30-7 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy can be reached on 571-272-0928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published application may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on the access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sheridan Lee Swope, Ph.D.



AV1/p52